

NPIC/R-786/64

August 1964

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S-14010

TCS-7801/64

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50 Pages

PHOTOGRAPHIC INTERPRETATION REPORT

OAK - PART II  
MISSION 1009-1  
6-9 AUGUST 1964

Declass Review by NIMA/DOD



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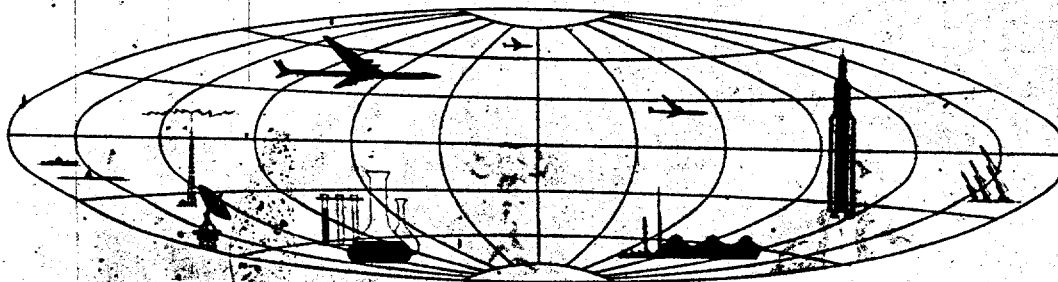
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**TOP SECRET CHESS RUFF**

MISSION 1009-1, 6-9 AUGUST 1964

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**OAK-PART II**  
**MISSION 1009-1**

**PREFACE**

THIS IS THE SECOND AND LAST DAILY OAK REPORT ON MISSION 1009-1 DEALING WITH THE HIGHEST PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS 13 AUGUST 1964 TO 1200 HOURS 14 AUGUST 1964 PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 1009-1 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATION OF TARGETS IN THIS REPORT IS INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS — C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 1009-1 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MEASUREMENT EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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**Next 2 Page(s) In Document Exempt**

## Highlights

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## HIGHLIGHTS

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1. OLOVYANNAYA ICBM COMPLEX (COMOR [REDACTED])  
THE NEWLY IDENTIFIED ICBM SINGLE SILO LAUNCH FACILITIES HIGHLIGHTED  
IN OAK I, MISSION 1009-1, ARE NOW REFERRED TO AS LAUNCH GROUP D AND  
THE SITES ARE DESIGNATED D1 THROUGH D6.

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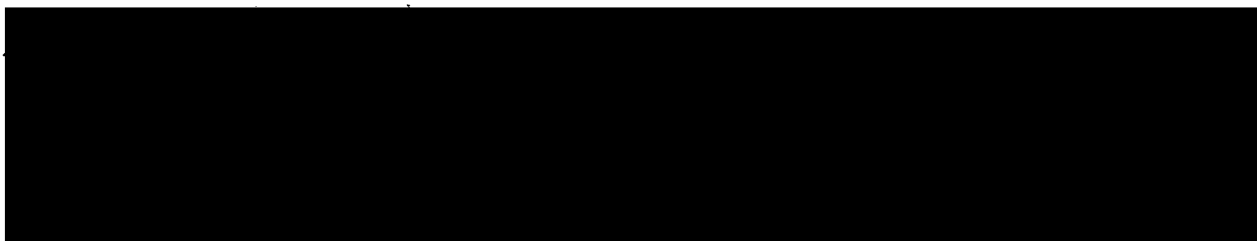
2. SOVETSKAYA GAVAN MRBM LAUNCH FACILITY (COMOR [REDACTED])  
THE POSSIBLE MRBM LAUNCH SITE IS NOW CONFIRMED AS AN MRBM LAUNCH  
FACILITY. ACTIVITY IS OBSERVED FOR THE FIRST TIME.

3. SA-2 SAM SITES (MISSILE BONUS)  
FOR THE FIRST TIME SA-2 SAM SITES ARE IDENTIFIED IN YUGOSLAVIA.  
TWO SA-2 SAM SITES AND A POSSIBLE SAM SUPPORT FACILITY ARE  
IDENTIFIED AT BELGRADE. TWO ADDITIONAL NEW SA-2 SAM SITES ARE  
IDENTIFIED, ONE AT POZNAN, POLAND, AND THE OTHER AT THE OLOVYANNAYA  
ICBM COMPLEX, USSR.

25X1A

4. SEVERODVINSK NAVAL BASE AND SHIPYARD 402 (COMOR [REDACTED])  
SIXTEEN SUBMARINES ARE OBSERVED, INCLUDING ONE UNIDENTIFIED SS  
(APPROXIMATELY 410 FT) IN FLOATING DRYDOCK, ONE UNIDENTIFIED SS  
(APPROXIMATELY 370 FT) IN FLOATING DRYDOCK, TWO POSSIBLE E-CLASS  
SSGN, ONE POSSIBLE N-CLASS SSN, ONE UNIDENTIFIED SS (APPROXIMATELY  
365 FT), TWO UNIDENTIFIED SS (APPROXIMATELY 360 FT), ONE  
UNIDENTIFIED SS (APPROXIMATELY 390 FT), AND SEVEN SMALLER  
SUBMARINES.

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7. ELTON PROBABLE ELECTRONIC TRACKING SITE (ELECTRONIC BONUS)  
A NEWLY IDENTIFIED PROBABLE ELECTRONIC TRACKING SITE IS LOCATED 8 NM NORTH OF ELTON. IT IS NEARLY IDENTICAL TO THE PROBABLE H-SHAPED TRACKING SITE AT KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER.

8. KIRZHACH AREA SUSPECT SPACE TRACKING FACILITY (ELECTRONIC BONUS)  
A SUSPECT SPACE TRACKING FACILITY IS IDENTIFIED 35.8 NM NE OF MOSCOW. THE CONFIGURATION HAS THE APPEARANCE OF TWO LARGE OVERLAPPING INTERFEROMETER-TYPE FACILITIES.

25X1A

9. LAKE ISSYK KUL HYDRODYNAMICS EXP STN (COMOR [REDACTED])  
THE PROBABLE HYDRODYNAMICS EXPERIMENTAL STATION IS IDENTIFIED EXTENDING ABOUT 9,000 FT ALONG THE NORTH SHORE OF THE LAKE. AMONG ITS FACILITIES ARE A POSSIBLE WAVE-TESTING BASIN ABOUT 350 FT LONG AND A POSSIBLE ENCLOSED MODEL TEST BASIN ABOUT 915 FT LONG.

## STATUS OF COMOR TARGET READOUT

A TOTAL OF 88 COMOR TARGETS WAS OBSERVED IN THE OAK REPORTING PERIOD AND ARE COVERED IN OAK PARTS I AND II AND ARE LISTED IN THE INDEX AT THE CONCLUSION OF THIS REPORT.

## TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES.

TABLE 1 -- SOVIET ICBM DEPLOYMENT  
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT  
TABLE 3 -- SAM AND AMM DEPLOYMENT  
TABLE 4 -- NUCLEAR ENERGY ACTIVITY  
TABLE 5 -- AIRCRAFT ACTIVITY  
TABLE 6 -- SUBMARINE ACTIVITY  
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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Table 1. Soviet ICBM Deployment

Complex	Launch Area											Total Soft Sites	Total Hard Sites	Total Launch Positions
	A	B	C	D	E	F	G	H	I	J	K			
Drovyanskaya	C	C	C	C	M	M						8	8	16
Gladkaya	C	C		M	E							2	2	10
Itaka	C	C	C									3		6
Kozroma	C	C	C	C	C	C	C	M				6	2	18
Kozelsk	C	C		C	C	L						3	2	12
Novosibirsk	C	C	L	C	C							3	2	12
Olovyanaya	C	L	L	E**									9	15
Omsk	C	E											2	6
Perm	C	C	C	C	C	L						5	1	13
Plesetsk*	C	C	C	C	C	M						9*	1	17
Shadrinsk	C	C	L										3	9
Svobodnyy	C	C	C	C	C	C	L	C			0	7	1	17
Teykovo	C	C	C	C	C	C						6		12
Tyumen	C		C									2		4
Verkhnyaya Salda	C	C	C	C	C	C	C	C	C			7	2	20
Yedrovo	C	C	C	C	C	C	C	M	C			6	3	21
Yoshkar-Ola	C	C	C	C	C	C						6		12
Yurya	C	C	C	C	C	C	C	C	C	C	L	8	3	25
Zhangiz Tobo	E	E											2	2
Deployment Total												76	36	248
Tyuratam MTC	C	C	C	L	C	C	M	C	M	M	M	11 (2 poss)	8 (3 poss)	85 (7 poss)
	Grand Total											67 (2 poss)	46 (3 poss)	281 (7 poss)

\*Includes Launch Points I-IV, complete \*\* Carried as Launch Group  
Construction Status (C-complete, L-late, M-mid, E-early)

○ Covered by current mission

□ Newly identified

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	121	11	18	11	161	633
Caucasus	3		2	3	8	29
Central Asia	2	4	1	5	12	43
Far Eastern	11	1		2	14	54
Totals	137	16	21	21	195	759

Totals do not include 46 fixed field-type sites with total of 162 clearings and one launch facility at Sovetskaya Gavan.

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Table 3. SAM and AMM Deployment

	Country														Totals
	USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	Yugoslavia	China	North Korea	Indonesia	EGPt	Cuba	India	
SA-0	13														13
SA-1	56														56
SA-2	914*	1	18	22	47	15	29	13	2	12	2	4	13*	24**	1,117
SA-3	93														93
SAM support facilities	183	1	2	5	4	3	5	3	1	1	3	6			217
Probable AMM complexes	3														3
AMM/SAM complexes	2***														2

\*Does not include 4 alternate sites

\*\*\*Includes 1 suspect complex.

\*\*Does not include 22 abandoned sites.



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**Table 8. AIRCRAFT ACTIVITY**[illegible]

↑ POSSIBLE      ↓ PROBABLE      \*\*BADGER 'CAMEL'

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Table 6. Submarine Activity.

Base	Last Effective Coverage	Previous Submarine Count										Observed This Mission									
		SSBN, B-1	SSBN, B-2	SSBN, B-3	SSBN, B-4	SSBN, B-5	SSBN, B-6	SSBN, B-7	SSBN, B-8	SSBN, B-9	SSBN, B-10	SSBN, B-11	SSBN, B-12	SSBN, B-13	SSBN, B-14	SSBN, B-15	SSBN, B-16	SSBN, B-17	SSBN, B-18	SSBN, B-19	SSBN, B-20
Balaskava																					
Dunay																					
Gorkiy																					
Khronstadt																					
Komsomolsk																					
Leningrad																					
Lipaya																					
Litva Bay																					
Magadan																					
Olenya Guba																					
Pechenga																					
Petrozavodsk/																					
Kamchatka																					
Petrozavodsk																					
Polyarny																					
Riga																					
Rostov																					
Sayd-Guba																					
Sevastopol																					
Sverdlovsk																					
Severomorsk																					
Sovetskaya																					
Gavan																					
Strelak Strait																					
Ura Guba																					
Vladimir																					
Vladivostok																					
Yokanga																					
Gydnia																					
TOTALS																					

\*E-1 Class † POSSIBLE ‡ PROBABLE

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## Missiles

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MISSILES

██████████ PLESETSK ICBM COMPLEX UR 6256N 04039E

ACTIVITY, AS EVIDENCED BY INCREASED GROUND SCARRING, CONTINUES IN THE UNIDENTIFIED AREA EAST OF LAUNCH AREA D (SITE 8). A SQUARE CLEARING AT THE SE EDGE OF THE UNIDENTIFIED SUPPORT AREA MAY POSSIBLY CONTAIN A FISHBONE ARRAY, ALTHOUGH NO PATTERN CAN BE DISGERNED. HAZE AND LACK OF STEREO COVERAGE PRECLUDE FURTHER INTERPRETATION.

ACTIVITY ALSO CONTINUES EAST OF THE ADMINISTRATION AND HOUSING AREA, WITH THE RAIL SPURS MOSTLY COMPLETED TO THE AREA OF NEW CONSTRUCTION. LACK OF STEREO PRECLUDES FURTHER INTERPRETATION.

25X1D

NO SIGNIFICANT CHANGE IN LAUNCH POINT I AND LAUNCH AREAS B (SITE 5) AND D (SITE 8) AND THE ADMINISTRATION AND HOUSING AREA SINCE MISSION ██████████

LAUNCH POINTS II-IV, LAUNCH AREAS A (SITE 4), C (SITE 6), E (SITE 7), AND F, THE COMPLEX SUPPORT FACILITY, AND RAIL-TO-ROAD TRANSFER POINT ARE CLOUD COVERED.

25X1D

NO ABM ACTIVITY NOTED WITHIN THE 50-NM RADIUS SEARCH AREA, WHICH IS 80 PERCENT CLOUD COVERED.

- 25X1A

██████████ DROVYANAYA ICBM COMPLEX UR 5132N 11301E

NO SIGNIFICANT CHANGE IN THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, OR LAUNCH AREAS A (SITE 1), B (SITE 2), C (SITE 4), AND D (SITE 3). LAUNCH AREA E (SITE 5), F (SITE 6) AND THE UNIDENTIFIED AREA NEAR AREA E ARE IDENTIFIED ONLY.

NO ABM ACTIVITY NOTED IN THE EASTERN HALF OF THE 50-NM SEARCH AREA, WHICH IS 20 PERCENT CLOUD COVERED.

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25X1D

25X1A

KOSTROMA ICBM COMPLEX UR 5746N 04101E

THE COMPLEX WAS PARTIALLY COVERED BY POOR QUALITY STEREO PHOTOGRAPHY. LAUNCH AREAS D (SITE 4), G (SITE 7), AND H (SITE 8), THE ONLY COMPONENTS VISIBLE, WERE IDENTIFIED ONLY.

NO ABM ACTIVITY OBSERVED IN THE CLOUD-FREE PORTIONS OF THE WESTERN TWO-THIRDS OF THE 50-NM RADIUS SEARCH AREA. THE EASTERN THIRD WAS NOT COVERED.

25X1D

OMSK ICBM COMPLEX UR 5503N 07330E

25X1D

THE OMSK ICBM COMPLEX IS COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY. THERE IS NO APPARENT CHANGE SINCE [REDACTED] AT THE COMPLEX SUPPORT FACILITY, THE RAIL-TO-ROAD TRANSFER POINT, OR LAUNCH AREA A (SITE 1).

PRELIMINARY CONSTRUCTION (FOUNDATIONS/FOOTINGS) CONTINUES ON A SECOND PROBABLE MISSILE-READY BUILDING AT THE RIM FACILITY SOUTH OF LAUNCH AREA A.

GROUND SCARRING AND PRELIMINARY CONSTRUCTION ACTIVITY CONTINUES AT THE UNIDENTIFIED AREA 1,200 FT SOUTH OF THE RAIL-TO-ROAD TRANSFER POINT.

TWO ADDITIONAL BUILDINGS HAVE BEEN CONSTRUCTED AT THE UNIDENTIFIED AREA APPROXIMATELY 2,400 FT SOUTH OF THE RAIL-TO-ROAD TRANSFER POINT. LAUNCH AREA B (SITE 2) IS CLOUD COVERED.

NO ABM ACTIVITY NOTED WITHIN A 50-NM RADIUS.

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25X1A

**TYUMEN ICBM COMPLEX UR 5652N 06553E**

COMPLEX WAS COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGES WERE OBSERVED IN THE COMPLEX SUPPORT FACILITY, THE AREA OF UNIDENTIFIED ACTIVITY JUST NORTH OF IT, OR LAUNCH AREA A (SITE 3).

THE RAIL-TO-ROAD TRANSFER POINT IS IDENTIFIED ONLY AND ALL BUT THE ELECTRONIC FACILITY AT LAUNCH AREA C (SITE 2) IS CLOUD COVERED.

NO ABM ACTIVITY OBSERVED WITHIN THE CLOUD-FREE PORTIONS OF THE 50-NM RADIUS SEARCH AREA.

25X1D

**GLADKAYA ICBM COMPLEX UR 5605N 09213E**

COMPLEX WAS PARTIALLY COVERED BY FAIR QUALITY STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGE IN THE COMPLEX SUPPORT FACILITY AND RAIL-TO-ROAD TRANSFER POINT SINCE [REDACTED] THE TYPE IITFA LAUNCH AREA C (SITE 4) HAS BEEN ABANDONED AND IS NOW DROPPED FROM THE ICBM OB. THIS LAUNCH AREA WAS FIRST IDENTIFIED ON [REDACTED] AND HAS SHOWN NO CHANGE IN CONSTRUCTION STATUS SINCE THAT TIME. LAUNCH AREAS A (SITE 3) AND B (SITE 2) WERE NOT COVERED AND LAUNCH AREAS D (SITE 5) AND E (SITE 6) WERE IDENTIFIED ONLY.

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25X1D

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF WESTERN HALF OF 50-NM RADIUS SEARCH AREA. EASTERN HALF NOT COVERED.

25X1D

25X1A

**OLOVYANNAYA ICBM COMPLEX UR 5048N 11550E**

THE COMPLEX IS COVERED BY GOOD QUALITY CLOUD FREE PHOTOGRAPHY.

A NEW CONCEPT IN SILO DEPLOYMENT HAS BEEN



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IDENTIFIED. THIS NEW ACTIVITY IS ON THE NE SIDE OF THE COMPLEX AND CONSISTS OF AT LEAST ONE CONFIRMED SINGLE SILO UNDER CONSTRUCTION AND 5 PROBABLE SINGLE SILOS UNDER CONSTRUCTION. THESE SILOS ARE ARRANGED IN A CIRCLE APPROXIMATELY 6 NM IN DIAMETER AND SPACED, ON THE AVERAGE, APPROXIMATELY 3 NM APART. LOCATED NEAR THE CENTER OF THE CIRCLE IS A PROBABLE SUPPORT/CONTROL FACILITY. THIS CONFIGURATION IS DESIGNATED LAUNCH GROUP D AND THE LAUNCH SITES ARE DESIGNATED D1 THROUGH D6 CLOCKWISE FROM NORTH.

THE PROBABLE SUPPORT/CONTROL FACILITY IS LOCATED 19 NM NE OF THE COMPLEX SUPPORT FACILITY AT 51-05N 116-04E. IT CONSISTS OF 5 BARRACKS-TYPE BUILDINGS, 2 SMALL SQUARE BUILDINGS, AND 2 BUILDINGS UNDER CONSTRUCTION. THERE IS GROUND SCARRING AND TRACK ACTIVITY IN THE VICINITY. THERE WAS NO EVIDENCE OF THIS FACILITY ON [REDACTED]

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[REDACTED] ONE BUILDING WAS PRESENT. THREE OF THE BARRACKS-TYPE BUILDINGS, AND ONE OF THE SMALL SQUARE BUILDINGS WERE PRESENT ON MISSION [REDACTED] ALTHOUGH A POSSIBLE LAUNCH POINT HAS NOT BEEN IDENTIFIED IN THIS VICINITY, THE POSSIBILITY OF SUCH CONSTRUCTION CANNOT BE RULED OUT. THE PROBABLE SUPPORT/CONTROL FACILITY IS THE REFERENCE POINT IN LOCATING THE LAUNCH SITES.

25X1D

LAUNCH SITE D1 IS LOCATED 3.4 NM NORTH. IT CONSISTS OF A SHALLOW EXCAVATION WITH A PROBABLE CORING IN IT. GROUND SCARRING AND TRACK ACTIVITY ARE IN THE VICINITY. THERE WAS NO EVIDENCE OF THIS SITE IN [REDACTED] FIRST EVIDENCE OF ACTIVITY WAS FOUND IN [REDACTED]

25X1D

LAUNCH SITE D2 IS LOCATED 2.4 NM ENE. IT CONSISTS OF A SHALLOW EXCAVATION AND 3 SPOIL PILES. THERE WAS NO EVIDENCE OF THIS ACTIVITY IN [REDACTED] FIRST EVIDENCE OF ACTIVITY WAS IN [REDACTED]

25X1D

LAUNCH SITE D3 IS LOCATED 3 NM SE. IT CONSISTS OF A GRADED AREA CONTAINING A SHALLOW, CIRCULAR EXCAVATION. THERE WAS NO EVIDENCE OF THIS SITE ON [REDACTED] FIRST EVIDENCE WAS IN [REDACTED] AND TRACK ACTIVITY IN THE VICINITY

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HAS INCREASED CONSIDERABLY SINCE THAT TIME.

LAUNCH SITE D4 IS LOCATED 3.0 NM SW. THE WHITE RING-LIKE OBJECT REPORTED IN OAK [REDACTED] IS NOW IDENTIFIED AS A SILO UNDER CONSTRUCTION. IT IS A STRUCTURE APPROXIMATELY 35 FT SQUARE IN AN EXCAVATION. A PROBABLE BUILDING, 100 X 30 FT, IS UNDER CONSTRUCTION APPROXIMATELY 700 FT WEST OF THE SILO. THERE WAS NO EVIDENCE OF THIS SITE IN [REDACTED] ACTIVITY WAS FIRST OBSERVED IN [REDACTED]

LAUNCH SITE D5 IS LOCATED 3.9 NM WEST. IT CONSISTS OF A SHALLOW EXCAVATION WITH A POSSIBLE CORING AND A 100- X 30-FT PROBABLE BUILDING UNDER CONSTRUCTION. THERE WAS NO EVIDENCE OF THIS SITE IN [REDACTED] FIRST ACTIVITY WAS OBSERVED IN [REDACTED]

LAUNCH SITE D6 IS LOCATED 4 NM NW. IT CONSISTS OF A GENERALLY SQUARE EXCAVATION AND A SPOIL PILE. GROUND SCARRING AND TRACK ACTIVITY ARE IN THE VICINITY. THERE WAS NO EVIDENCE OF THIS SITE [REDACTED] FIRST EVIDENCE OF ACTIVITY WAS IN [REDACTED]

LAUNCH AREA A (SITE 1) -- NO SIGNIFICANT CHANGE SINCE [REDACTED]

LAUNCH AREA B (SITE 2) IS IN A LATE STAGE OF CONSTRUCTION. THE SITE IS BACKFILLED BUT THE LOOP ROAD IS NOT COMPLETE. THE SILO COVERS ARE IN PLACE. A RIM FACILITY IS IDENTIFIED SOUTH OF THE SITE AND EAST OF THE COMPLEX MAIN ROAD. NO OTHER SIGNIFICANT CHANGE SINCE [REDACTED]

LAUNCH AREA C (SITE 3) IS IN A LATE STAGE OF CONSTRUCTION BUT THE SITE SIGNATURE IS NOT COMPLETE. TWO OF THE SILO COVERS ARE CLEARLY VISIBLE. A RIM FACILITY IS IDENTIFIED ON THE EAST SIDE OF THE SITE.

RAIL-TO-ROAD TRANSFER POINT -- THERE ARE 2 CYLINDRICAL STORAGE TANKS UNDER CONSTRUCTION. NO OTHER SIGNIFICANT CHANGE SINCE [REDACTED]

COMPLEX SUPPORT FACILITY -- NO SIGNIFICANT CHANGE SINCE [REDACTED]

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NEW COMMUNICATIONS FACILITY -- A SECURED AREA CONTAINING 4 PROBABLE FISHBONE ANTENNA ARRAYS AND AT LEAST 3 ASSOCIATED BUILDINGS IS LOCATED APPROXIMATELY 3 NM NORTH OF THE COMPLEX SUPPORT FACILITY.

NO ABM ACTIVITY IDENTIFIED IN THE CLOUD-FREE PORTIONS OF THE AREA WITHIN 50 NM OF THE COMPLEX.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS OF

COMPLEX SUPPORT FACILITY --  
RAIL-TO-ROAD TRANSFER POINT

LAUNCH AREA A --

LAUNCH AREA B --

LAUNCH AREA C --

LAUNCH SITE D1 --

LAUNCH SITE D2 --

LAUNCH SITE D3 --

LAUNCH SITE D4 --

LAUNCH SITE D5 --

LAUNCH SITE D6 --

SUPPORT/CONTROL FACILITY --  
COMMUNICATIONS FACILITY --

(ATTACHMENTS 1-5)

BALTA MRBM LAUNCH SITE 1 UR 4801N 02933E

NO ADDITIONAL SSM ACTIVITY OBSERVED WITHIN CLOUD-FREE PORTIONS OF SEARCH AREA.

AREA CANNOT BE NEGATED DUE TO SCATTERED CLOUDS.

GRANOV IRBM LAUNCH SITE 2 UR 4849N 02929E

LAUNCH AREA IS COMPLETE. NO APPARENT CHANGE IN FACILITIES SINCE

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25X9

25X1D

NO ELECTRONIC  
OBSERVED.

25X1A

25X1D

KISHENTSY MRBM LAUNCH SITE UR 4900N 03013E

NO APPARENT CHANGE IN LAUNCH SITE SINCE  
SITE SUPPORT FACILITY  
IS CLOUD COVERED.

NO NEW SSM ACTIVITY  
REVEALED IN CLOUD-FREE PORTIONS  
OF 25-NM RADIUS SEARCH AREA.

25X9

25X9

25X1D

KALNIK IRBM LAUNCH SITE UR 4859N 02922E

SITE IS IN A LATE STAGE OF CONSTRUCTION. BACKFILLING  
IS PARTIALLY COMPLETE ON THE RIGHT FRONT SIDE AND  
CONTROL BUNKER. THE OTHER TWO SIDES ARE COMPLETELY  
BACKFILLED. AN OBJECT UNLIKE THE NORMAL SILO COVER  
IS POSITIONED OVER THE LEFT FORWARD SILO. NEITHER  
EVIDENT AT THIS TIME.

25X9

25X1D

SOVETSKAYA GAVAN MRBM LAUNCH FACILITY UR 4904N 14007E

THE PREVIOUSLY REPORTED POSSIBLE MRBM LAUNCH SITE  
IS NOW CONFIRMED AS A MRBM LAUNCH FACILITY  
WITH 4 PADS ARRANGED ON AN IRREGULAR ROAD PATTERN.  
ACTIVITY IS OBSERVED FOR THE FIRST TIME IN THE  
FORM OF VEHICLES ON A PARKING APRON. NO ERECTORS  
ARE DISCERNIBLE ON ANY OF THE PADS. THE APPEARANCE  
OF THE LAUNCH FACILITY HAS NOT CHANGED SINCE

25X1D

**TOP SECRET CHESS RUFF**

MISSION 1009-1, 6-9 AUGUST 1964

TC5-7801/64  
NPIC/R-786/64

25X1A

25X1A

25X1A

[REDACTED] SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

THE ONLY FACILITIES OBSERVED AT THE TEST CENTER THROUGH CLOUDS AND CLOUD SHADOW ARE INSTRUMENTATION SITES 4,5,6,7,8,9,12,13, POSSIBLE INSTRUMENTATION SITE 14, AND COMMUNICATIONS SITE 3. LAUNCH COMPLEXES A [REDACTED] AND B [REDACTED] ARE CLOUD-COVERED. THE BUILDING TRIAD AT SITE 13, THE ONLY ONE OF THE FOUR BUILDING TRIAD SITES OBSERVED, IS IDENTIFIED ONLY. INTERPRETATION IS LIMITED AT SITE 13 BY CLOUDS, CLOUD SHADOW, OBLIQUITY, AND NON-STEREO COVERAGE. CONSTRUCTION CONTINUES AT THE THREE DUAL HEN-HOUSE-TYPE STRUCTURES AT SITE 13 SINCE MISSION [REDACTED] BUT INTERPRETATION OF CONSTRUCTION DETAILS IS NOT POSSIBLE. NO APPARENT CHANGE IS OBSERVED AT INSTRUMENTATION SITES 4,5,6,7,8, AND 14, AND COMMUNICATIONS SITE 3. INSTRUMENTATION SITES 9 AND 12 ARE IDENTIFIED ONLY.

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS FOLLOW--

25X1D

25X1A

[REDACTED] SHUANG-CHENG-TZU MISSILE TEST CENTER CH 4107N 10020E

THE ENTIRE TEST CENTER IS COVERED BY GOOD QUALITY PHOTOGRAPHY.

NO ACTIVITY IS DISCERNIBLE ON ANY OF THE SSM LAUNCH PADS NOR IN THE SSM ASSEMBLY AND CHECKOUT AREAS. ACTIVITY IS NOTED AT BOTH LAUNCH SITES A AND B OF THE SAM COMPLEX. LAUNCH SITE A HAS A CENTRAL GUIDANCE UNIT EMPLACED, APPROXIMATELY 8 PROBABLE TRANSPORTERS IN THE REVETTED HOLD AREA, AND LAUNCHERS IN AT LEAST 4 OF THE LAUNCH POSITIONS. ONE LAUNCHER IS DISCERNIBLE AT SITE B AND A ROW OF VEHICLES IS OBSERVED IN THE REVETTED HOLD AREA. THE RADAR MOUND IN THE EW RADAR SITE NO 1, APPROXIMATELY 4 NM SE OF THE MAIN SUPPORT BASE, IS OCCUPIED.

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25X1D

EW RADAR SITE NO 2, 3.5 NM SE OF SHUANG-CHENG-TZU, IS BARELY VISIBLE THROUGH HAZE. THE DEPLOYED SAM SITE STILL REMAINS UNOCCUPIED. NO AIRCRAFT ARE OBSERVED AT THE SHUANG-CHENG-TZU AIRFIELD. NO SIGNIFICANT CHANGES ARE NOTED IN THE OTHER PORTIONS OF THE TEST CENTER.

25X1A

WU-WEI SUSPECT GM ACTIVITY CH 3758N 10253E

A 25-NM SEARCH AROUND WU-WEI REVEALS NO MISSILE ASSOCIATED ACTIVITY. THE FOLLOWING INSTALLATIONS AND MILITARY ASSOCIATED FACILITIES ARE IN THE AREA.

WU-WEI AIRFIELD, 7.5 NM NW OF WU-WEI, HAS TWO PARALLEL, OFFSET NNW/SSW CONCRETE SERVICEABLE RUNWAYS. THE NORTH RUNWAY IS 6,250 X 195 FT AND THE SOUTH RUNWAY IS 5,800 X 190 FT. A HOUSING AND SUPPORT AREA CONTAINING APPROXIMATELY 60 BUILDINGS IS WEST OF THE SOUTH RUNWAY AND A POL STORAGE AREA IS NNW OF THE HOUSING AND SUPPORT AREA. THE FACILITIES ARE RAIL SERVED.

MILITARY BARRACKS AREA, APPROXIMATELY 15 NM SE OF WU-WEI, CONTAINS 2 BARRACKS AREAS WITH APPROXIMATELY 55 BARRACKS-TYPE BUILDINGS, A POSSIBLE SCHOOL WITH 17 BUILDINGS, AND GROUPS OF STORAGE-TYPE BUILDINGS. A RAIL SPUR AND FENCED COMPOUND ARE ALSO PRESENT.

WU-WEI PROBABLE MILITARY SCHOOL, APPROXIMATELY 3.5 NM NE OF WU-WEI, IS ENCLOSED BY A WALL AND CONTAINS APPROXIMATELY 70 BARRACKS, ADMINISTRATION, AND OTHER INSTITUTIONAL-TYPE BUILDINGS.

POSSIBLE RESEARCH FACILITY, APPROXIMATELY 7 NM NW OF WU-WEI, IS FENCE SECURED AND CONTAINS 19 BUILDINGS WITH AN INSTITUTIONAL APPEARANCE.

RAILROAD JUNCTION 10 NM SE OF WU-WEI CONSISTS OF A HOLDING YARD, A TURNING WYE, COAL REFUELING YARD, WAREHOUSES, AND A FENCED COMPOUND.

Handle Via  
TALENT-KEYHOLE  
Control System Only

**TOP SECRET CHESS RUFF**

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25X1D

[REDACTED]

25X1A

KOSZALIN SUSPECT SAM AREA PO 5410N 01618E

THE POSSIBLE SA-2 SAM SITE WITH 6 POSSIBLE LAUNCH  
POSITIONS AND A GUIDANCE AREA, REPORTED ON MISSION  
[REDACTED] SHOWS NO APPARENT CHANGE.

25X1D

NO ADDITIONAL SAM ACTIVITY OBSERVED WITHIN 25-NM  
RADIUS.

[REDACTED]

25X1D

ENGELS SUSPECT SSM AREA UR 5129N 04607E

NO SSM ACTIVITY OBSERVED IN VISIBLE PORTIONS OF  
50-NM RADIUS SEARCH AREA.

[REDACTED]

25X1D

NOVOSTROYKA SUSPECT SSM AREA UR 5619N 03803E

NO NEW SSM ACTIVITY OBSERVED WITHIN 50-NM RADIUS  
OF NOVOSTROYKA.

[REDACTED]

25X1D

SEVERODVINSK NAVAL BASE AND SHIPYARD 402 UR 6434N 03949E

ROOFING AT THE 600 BY 300-FT BUILDING UNDER  
CONSTRUCTION IN THE WEST SECTOR OF SEVERODVINSK  
NAVAL BASE YAGRY ISLAND IS NEARLY COMPLETED.

VESSELS -- ONE UNIDENTIFIED SS, (APPROXIMATELY  
410 FT VISIBLE OVERALL AND APPARENTLY PARTIALLY  
CANVAS-COVERED AT ONE END) IN FLOATING DRYDOCK  
WITHIN THE FLOODED BASIN IN FRONT OF COVERED  
BUILDING WAY. TWO POSSIBLE E-CLASS SSGN, ONE  
POSSIBLE N-CLASS SSN, ONE UNIDENTIFIED SS  
(APPROXIMATELY 365 FT), ONE UNIDENTIFIED SS

**TOP SECRET CHESS RUFF**

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(APPROXIMATELY 390 FT), 2 UNIDENTIFIED SS (APPROXIMATELY 360 FT), AND ONE UNIDENTIFIED SS (APPROXIMATELY 370 FT AND IN FLOATING DOCK) ARE LOCATED ALONG SOUTHERN QUAY AREA WEST OF MAIN COVERED BUILDING WAY. ONE POSSIBLE F/Z-CLASS SS IS LOCATED ALONG SHIPYARD QUAY EAST OF COVERED BUILDING WAY. ONE UNIDENTIFIED SS (APPROXIMATELY 300 FT) IS AT MOUTH OF FLOODED TRANSPORTER DOCK, ONE PROBABLE UNIDENTIFIED SS (APPROXIMATELY 350 FT), AND 4 SMALL POSSIBLE SS ARE AT THE NORTHERN OPERATIONS REPAIR AREA, YAGRY ISLAND. ONE PROBABLE APL, 2 POSSIBLE DE, AND SEVERAL UNIDENTIFIED SMALL CRAFT ARE BERTHED AT THE NAVAL BASE. TWO UNIDENTIFIED LARGE PROBABLE SURFACE COMBATANTS ARE BERTHED ALONGSIDE QUAY AT THE PORT FACILITY AREA WEST OF THE SHIPYARD. AN UNIDENTIFIED OBJECT APPROXIMATELY 350 FT LONG IS POSITIONED IN FLOODED CRADLE/LAUNCHWAY AREA DIRECTLY IN FRONT OF COVERED BUILDING WAY. WATER LEVEL IN FLOODED SHIPYARD BASIN IS LESS THAN THAT OBSERVED ON [REDACTED]

25X1D

(ATTACHMENT 6)

25X1D

25X1A

GUBA SAYDA SUBMARINE BASE UR 6915N 03321E  
VESSELS -- 6 POSSIBLE SS AND 2 POSSIBLE AUXILIARY  
AT PIERS OBSERVED THROUGH HAZE.

NO APPARENT CHANGE SINCE [REDACTED]  
IN VISIBLE FACILITIES.

25X1D

INCOMPLETE COVERAGE DUE TO CLOUDS AND HAZE.

25X1D

POLYARNYY NAVAL BASE UR 6912N 03328E  
PARTIAL COVERAGE ONLY. [REDACTED]  
MISSILE-HANDLING FACILITIES OBSERVED NORTH OF BASE.  
VESSELS -- 10 SS VISIBLE THROUGH HAZE.

25X9



Handle Via  
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Control System Only

# TOP SECRET CHESS RUFF

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NPIC/R-786/64

25X1D

25X1A

GUBA LITSA SUBMARINE BASE UR 6926N 03224E  
VESSELS -- 4 POSSIBLE SS AND 2 AUXILIARIES.  
HEAVY CLOUDS PRECLUDE DETAILED INTERPRETATION.

25X1D

TERIBERKA NAVAL BASE UR 6910N 03508E  
VESSELS -- NO SUBMARINES OR OTHER NAVAL VESSELS  
OBSERVED IN CLOUD-FREE AREAS. ONE POSSIBLE NON-  
COMBATANT VESSEL OBSERVED.  
NO SUBMARINE FACILITIES OBSERVED.  
SCATTERED CLOUDS AND HAZE PRECLUDE FURTHER  
INTERPRETATION.

25X1D

GUBA URA NAVAL BASE UR 6920N 03249E  
FACILITIES -- IDENTIFICATION ONLY.  
VESSELS -- ONE AUXILIARY OBSERVED THROUGH CLOUDS AT  
GUBA URA. FIVE SMALL VESSELS OBSERVED AT GUBA ARA.

25X1D

GUBA KISLAYA, SUSPECT SS BASE UR 6632N 03306E  
NO EVIDENCE OF SUBMARINE BASE OBSERVED IN CLOUD-FREE  
AREAS WITHIN 10-NM RADIUS.

25X1D

Handle Via  
TALENT-KEYHOLE  
Control System Only

Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

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NPIC/R-786/64

25X1A

DOLGAYA NAVAL BASE UR 6915N 03350E

NO MISSILE-HANDLING FACILITIES OBSERVED. NO APPARENT  
CHANGE SINCE [REDACTED]

25X1D

VESSELS -- 7 DE AND NUMEROUS MINOR SURFACE COMBATANTS.

25X1D

MOSCOW SUSPECT ABM AREA UR 5545N 03737E

APPROXIMATELY 75 PERCENT OF THE 75-NM RADIUS SEARCH  
AREA CLOUD COVERED. NO NEW LENINGRAD OR SARY-SHAGAN-  
TYPE INSTALLATIONS OBSERVED IN CLOUD-FREE AREAS.

25X1D CONSTRUCTION CONTINUES IN THE AREAS OF UNIDENTIFIED  
ACTIVITY REPORTED ON MISSIONS [REDACTED] AND [REDACTED]

25X1D

25X1D [REDACTED] AT SA-1 SAM SITES C19-1, C33-1,  
E10-1, AND E13-1. THE REMAINDER OF THE SA-1 SAM  
25X1D SITES ARE CLOUD COVERED, NOT OBSERVED, OR SHOW NO  
25X1D APPARENT CHANGE SINCE [REDACTED] CONSTRUCTION  
ALSO CONTINUES IN THE TRIAD AREAS OF E05-1 AND E33-1.

25X1A

ANTIPINSKOYE SAM ACTIVITY UR 5254N 11332E

25X1D

THE ENTIRE FACILITY IS COVERED BY CLOUD-FREE,  
EXCELLENT QUALITY, STEREO PHOTOGRAPHY. THE SUPPORT  
FACILITY SHOWS NO APPARENT CHANGE SINCE MISSION  
[REDACTED] [REDACTED] THROUGH VEHICLES/EQUIPMENT OF AN  
UNDETERMINED NUMBER AND TYPE CAN BE SEEN IN THE  
MOTOR POOL. THE SOUTHERNMOST OF THE THREE CLEARED  
AREAS APPEARS TO BE ACTIVE AND INDICATIONS ARE THAT  
IT MAY BE A DUPLICATE OF THE TWO MIRRORED SITES IN  
THE CENTER CLEARING. NO EQUIPMENT CAN BE SEEN IN THE  
SOUTHERNMOST AREA. THE CENTER CLEARING IS ACTIVE,  
WITH ALL ITS SOUTHERN SITE LAUNCH POSITIONS AND  
THE CENTRAL GUIDANCE AREA OCCUPIED. THE NORTHERN  
SITE IN THE CENTER CLEARING DOES NOT HAVE ANY  
EQUIPMENT. BOTH SITES ARE UNREVETTED. IN ADDITION,  
A NUMBER OF UNIDENTIFIED VEHICLES/EQUIPMENT CAN BE  
SEEN IN THE CENTER CLEARING. THE NORTHERNMOST  
CLEARING APPEARS INACTIVE. HOWEVER, VEGETATION HAS

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**TOP SECRET CHESS RUFF**

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**NOT COMPLETELY COVERED THE LAUNCH PADS OR ROAD  
PATTERN.**

**(ATTACHMENT 7)**

25X1D

**BONUS 1 BELGRADE SAM SITE YU 4440N 02010E**

**A NEWLY IDENTIFIED COMPLETED SA-2 SAM SITE IS  
LOCATED 14.5 NM WSW OF BELGRADE AT 44-40-15N  
020-10-30E.**

25X1D

**BONUS 2 BELGRADE SAM SITE YU 4456N 02015E**

**A NEWLY IDENTIFIED COMPLETED SA-2 SAM SITE IS  
LOCATED 12 NM NW OF BELGRADE AT 44-56-00N 020-15-00E.**

25X1D

**BONUS 3 BELGRADE POSSIBLE SAM SUPPORT FACILITY YU 4441N 02024E**

**A NEWLY IDENTIFIED POSSIBLE TYPE II SAM SUPPORT  
FACILITY IS LOCATED 8 NM SOUTH OF BELGRADE AT  
44-41-00N 020-24-45E.**

25X1D

**BONUS 4 OLOVYANNAYA ICBM COMPLEX SAM SITE UR 5103N 11620E**

**23 NM NE OF OLOVYANNAYA ICBM COMPLEX AT 51-03-10N  
116-20-40E. A NEWLY IDENTIFIED SA-2 SAM SITE IN LATE  
STAGES OF CONSTRUCTION IS LOCATED APPROXIMATELY  
2,000 FT SW OF OLOVYANNAYA ICBM COMPLEX SAM  
SITE C07-2.**

25X1D

Handle Via  
TALENT-KEYHOLE  
Control System Only

**TOP SECRET CHESS RUFF**

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**BONUS 5 POZNAN SAM SITE PO 5234N 01644E**

**A NEWLY IDENTIFIED SA-2 SAM SITE IS LOCATED 12 NM NW  
OF POZNAN AT 52-34-30N 016-44-00E.**

25X1D



Handle Via  
TALENT-KEYHOLE  
Control System Only

**Air  
Facilities**

Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

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25X1A

## AIR FACILITIES

BORZYA AIRFIELD NORTHWEST UR 5024N 11623E

AIRCRAFT -- 9 BADGER.

25X1D

CHERVONO-GLINSKOYE AIRFIELD UR 4557N 02923E

AIRCRAFT -- 11 PROBABLE BADGER, 8 SMALL SWEEP-WING  
FIGHTER, AND 24 SMALL UNIDENTIFIED AIRCRAFT.

25X1D

MOZDOK AIRFIELD UR 4347N 04436E

RUNWAY AND TAXIWAY STILL UNDER CONSTRUCTION. NO

25X9

NO AIRCRAFT OBSERVED.

25X1D

RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT UR 5535N 03807E

AIRCRAFT -- 9 BEAR/BISON, ONE HEAVY SWEEP-WING  
TRANSPORT (POSSIBLE RADOME ON TOP AFT SECTION OF  
FUSELAGE), ONE BOUNDER, 25 BADGER/CAMEL, 7 BLINDER,  
17 MEDIUM STRAIGHT-WING TRANSPORT, 12 LIGHT STRAIGHT-  
WING TRANSPORT, 3 SMALL STRAIGHT-WING, 4 LARGE  
FIGHTERS, 2 PROBABLE CLASSIC, 3 PROBABLE COCKPOT, AT  
LEAST 47 SMALL SWEEP-WING FIGHTERS, AND AT LEAST 9  
SMALL UNIDENTIFIED AIRCRAFT.

25X1D

Handle Via  
TALENT-KEYHOLE  
Control System Only

## **Nuclear Energy**

**Next 1 Page(s) In Document Exempt**

25X2



**Naval  
Activity/  
Ports**

**TOP SECRET CHESS RUFF**

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25X1A

NAVAL ACTIVITY/PORTS

██████████ LAKE ISSYK KUL HYDRODYNAMICS EXP STA N UR 4229N 07619E

MOST OF RYBACHYE IS CLOUD COVERED. AT SARYKAMYSH (42-29N 076-19E) ABOUT 3 NM EAST OF RYBACHYE THE PROBABLE ISSYK KUL HYDRODYNAMICS EXPERIMENTAL STATION IS IDENTIFIED EXTENDING ABOUT 9,000 FT ALONG THE NORTH SHORE OF THE LAKE. IT IS BOTH ROAD AND RAIL SERVED. INSTALLATION CONTAINS MISCELLANEOUS LABORATORY AND MACHINE SHOP BUILDINGS, A POSSIBLE WAVE-TESTING BASIN ABOUT 350 FT LONG NEAR EAST END, A POSSIBLE ENCLOSED MODEL-TEST BASIN ABOUT 915 FT LONG NEAR WEST END, A LONG T-SHAPED PIER, AT LEAST 2 SHORT PIERS, AND A SUSPECT LAUNCHING CHUTE. CLOUD SHADOW AND HAZE PREVENT DETERMINATION OF ANY AE CONNECTION. AN AIRFIELD WITH APPROXIMATELY 2,400 AND 2,860 FT STRIPS IN AN X FORMATION IS NORTH OF INSTALLATION.

A PROBABLE TORPEDO AND MINE TEST FACILITY IS IDENTIFIED ON THE SOUTH BANK OF THE DZHIRGALAN RIVER INLET (42-33N 078-16E), 6 NM NW OF PRZHEVALSK. THE INSTALLATION HAS A PIER, WHARVES, A LARGE FABRICATION-TYPE BUILDING, POL STORAGE (SMALL TANKS), A MOVABLE GANTRY CRANE, AND SEVERAL SMALL BUILDINGS.

25X1D

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**Electronics/  
Communications**

**TOP SECRET CHESS RUFF**

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25X1A

**ELECTRONICS/COMMUNICATIONS**

**SAMODED, SUSPECT COMMUNICATIONS FACILITY UR 6336N 04028E**

SEARCH AREA 50 PERCENT CLOUD COVERED.  
NO COMMUNICATIONS FACILITIES IDENTIFIED IN CLOUD  
FREE PORTIONS.

25X1D

**BONUS 1 ELTON PROB ELEC TRACKING SITE UR 4915N 04648E**

A NEWLY IDENTIFIED PROBABLE ELECTRONIC TRACKING  
SITE IS LOCATED 8 NM NORTH OF THE TOWN OF ELTON  
AND APPROXIMATELY 46 NM NNE OF LAUNCH COMPLEX C  
AT KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER.

THE OPERATIONS AREA IS H-SHAPED, HAVING 4 PROBABLE-  
MOUNDED RADAR POSITIONS NEARLY IDENTICAL TO THE  
TRACKING SITE AT 48-24-15N 086-14-10E JUST WEST  
OF LAUNCH COMPLEX G AT KAPUSTIN YAR/VLADIMIROVKA  
MISSILE TEST CENTER. ONE LARGE AND ONE SMALL  
PARTIALLY BURIED CONTROL BUILDING ARE CENTRALLY  
LOCATED BETWEEN THE 4 PROBABLE RADAR POSITIONS.

APPROXIMATELY 0.7 NM WSW IS A SECOND OPERATIONS AREA  
WHICH CONTAINS SEVERAL CLEARED AREAS, A PROBABLE  
CONTROL BUILDING, AND 4 OTHER UNIDENTIFIED  
BUILDINGS. SUPPORT FACILITIES ARE LOCATED JUST  
SE OF THE OPERATIONS AREA.

25X1D

**BONUS 2 KIRZHACH AREA, SUSP SPACE TRACKING FAC UR 5605N 03831E**

A SUSPECT SPACE TRACKING STATION HAS BEEN IDENTIFIED  
35.8 NM NE OF MOSCOW. THE SITE CONTAINS TWO  
OPERATIONS AREAS (A NORTHWESTERN AREA AND A  
SOUTHERN AREA), AND A SUPPORT AREA WHICH IS  
CENTRALLY LOCATED.

THE NW OPERATIONS AREA CONTAINS A PROBABLE  
CENTRAL CONTROL AREA WHICH CONSISTS OF 2 LARGE  
BUILDINGS, 2 SQUARE BUILDINGS (ONE ON THE NW

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SIDE OF THE PROBABLE CONTROL AREA AND ONE ON THE SE SIDE OF THE CONTROL AREA), 2 LINEAR GROUND SCARS WHICH BISECT EACH OTHER AT RIGHT ANGLES AT THE CENTRAL CONTROL AND 8 SMALL SQUARE BUILDINGS ARRANGED IN 2 ROWS OF 4 BUILDINGS EACH. ALL OF THE SQUARE BUILDINGS HAVE AN UNIDENTIFIED OBJECT ON THE ROOF WITH A RING-LIKE STRUCTURE SURROUNDING IT. THE ENTIRE CONFIGURATION HAS THE APPEARANCE OF TWO OVERLAPPING INTERFEROMETER-TYPE FACILITIES.

THE SOUTHERN OPERATIONS AREA CONTAINS 2 ADJACENT PLUS-SHAPED INTERFEROMETERS.

THE EXTENSIVE SUPPORT FACILITY CONTAINS ADMINISTRATION, BARRACKS, AND NUMEROUS GENERAL SUPPORT BUILDINGS. A REVIEW OF PREVIOUS PHOTOGRAPHIC COVERAGE REVEALS THE SUPPORT AREA TO HAVE BEEN IN THE EARLY STAGES OF CONSTRUCTION IN [REDACTED] NO OTHER ACTIVITY WAS NOTED AT THAT TIME.

25X1D

(ATTACHMENT 10)

25X1D

[REDACTED]

## Index

# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

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## INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 1009-1. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 1009-1 IN WHICH THE TARGET WAS REPORTED.

25X1A

COMOR	INSTALLATION NAME	CTY	COORDINATES	OAK
	PLESETSK ICBM COMPLEX	UR	6256N 04039E	II
	YURYA ICBM COMPLEX	UR	5903N 04919E	I
	VERKHNYAYA SALDA ICBM COMPLEX	UR	5802N 06023E	I
	YOSHKAR-OLA ICBM COMPLEX	UR	5634N 04803E	I
	DROVYANAYA ICBM COMPLEX	UR	5132N 11301E	II
	KOSTROMA ICBM COMPLEX	UR	5746N 04101E	II
	ITATKA ICBM COMPLEX	UR	5650N 08536E	I
	OMSK ICBM COMPLEX	UR	5503N 07330E	II
	TYUMEN ICBM COMPLEX	UR	5652N 06553E	II
	GLADKAYA ICBM COMPLEX	UR	5605N 09213E	II
	NOVOSIBIRSK ICBM COMPLEX	UR	5516N 08257E	I
	VELSK AREA RAIL LINE	UR	6105N 04206E	I
	OLOVYANNAYA ICBM COMPLEX	UR	5048N 11550E	II
	GVARDEYSK MRBM LAUNCH SITE 2	UR	5445N 02109E	I
	SLAVSK MRBM LAUNCH SITE 2	UR	5500N 02129E	I
	ZNAMENSK MRBM LAUNCH SITE 1	UR	5433N 02111E	I
	GUSEV MRBM LAUNCH SITE 1	UR	5441N 02205E	I
	YELSK MRBM LAUNCH SITE 1	UR	5142N 02912E	I
	BALTA MRBM LAUNCH SITE 1	UR	4801N 02933E	II
	VORU MRBM LAUNCH SITE 2	UR	5749N 02650E	I
	NEMAN MRBM LAUNCH SITE	UR	5501N 02211E	I
	SKRUNDA IRBM LAUNCH SITE	UR	5635N 02149E	I
	GRANOV IRBM LAUNCH SITE 2	UR	4849N 02929E	II
	IECAVA MRBM LAUNCH SITE	UR	5633N 02420E	I
	VAINODE IRBM LAUNCH SITE	UR	5628N 02150E	I
	KISHENTSY MRBM LAUNCH SITE	UR	4900N 03013E	II
	KALNIK IRBM LAUNCH SITE	UR	4859N 02922E	II
	POSTAVY MRBM LAUNCH SITE 2	UR	5506N 02700E	I
	SOVETSKAYA GAVAN MRBM LAUNCH FACILITY	UR	4904N 14007E	II
	BOLSHAYA KAMENKA IRBM LAUNCH SITE	UR	5145N 04541E	I
	KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR	4835N 04545E	I
	SARY-SHAGAN ANTIMISSILE TEST CENTER	UR	4602N 07334E	II
	SHUANG-CHENG-TZU MISSILE TEST CENTER	CH	4107N 10020E	II
	WU-WEI SUSPECT GM ACTIVITY	CH	3758N 10253E	II
	ZAGORSK ROCKET TEST FACILITY	UR	5627N 03812E	I
	KRASNOYARSK EXPLOSIVES PLANT ZLOBINO	UR	5602N 09303E	I
	KOSZALIN SUSPECT SAM AREA	PO	5410N 01618E	II

Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

TCS-7801/64

NPIC/R-786/64

25X1A

ENGELS SUSPECT SSM AREA	UR 5129N 04607E	II
NOVOSTROYKA SUSPECT SSM AREA	UR 5619N 03803E	II
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR 6434N 03949E	II
GUBA SAYDA SUBMARINE BASE	UR 6915N 03321E	II
POLYARNYY NAVAL BASE	UR 6912N 03328E	II
GUBA LITSA SUBMARINE BASE	UR 6926N 03224E	II
TERIBERKA NAVAL BASE	UR 6910N 03508E	II
KALININGRAD SUSP NAVAL MISSILE STORAGE	UR 5450N 02028E	I
GUBA URA NAVAL BASE	UR 6920N 03249E	II
GUBA KISLAYA, SUSPECT SS BASE	UR 6632N 03306E	II
DOLGAYA NAVAL BASE	UR 6915N 03350E	II
SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263	UR 4858N 14017E	I
MOSCOW SUSPECT ABM AREA	UR 5545N 03737E	II
ANTIPINSKOYE SAM ACTIVITY	UR 5254N 11332E	II
TALLINN AMM/SAM LAUNCH COMPLEX	UR 5924N 02419E	I
CHEREPOVETS SUSPECT AMM/SAM LNCH CMLX	UR 5906N 03810E	I
CHEPELEVKA AIRFIELD	UR 4947N 03026E	I
ENGELS AIRFIELD	UR 5129N 04611E	I
BORZYA AIRFIELD NORTHWEST	UR 5024N 11623E	II
OLENEGORSK AIRFIELD	UR 6809N 03327E	I
CHERVONO-GLINSKOYE AIRFIELD	UR 4557N 02923E	II
NORILSK AIRFIELD	UR 6919N 08756E	I
MOZDOK AIRFIELD	UR 4347N 04436E	II
KALININGRAD/PROVEREN AIRFIELD	UR 5446N 02025E	I
BELAYA TSERKOV AIRFIELD	UR 4947N 03001E	I
ZHITOMIR/SKOMOROKHI AIRFIELD	UR 5010N 02844E	I
OSTROV VRANGELYA/SOMNITELNAYA AIRFIELD	UR 7057N 17936E	I
KAZAN AIRFRAME PLANT GORBUNOV 22	UR 5552N 04907E	I
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT	UR 5535N 03807E	II

25X2

25X2

YEN-KUD HSIA, HYDRO POWER PLANT	CH 3601N 10315E	I
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KAZANOV0 AREA, MINING ACTIVITY	UR 5140N 11535E	II
TALLINN NAVAL BASE & SHPYD MORSKOY ZAVOD	UR 5927N 02444E	I
RIGA NAVAL BASE	UR 5703N 02402E	I
GDYNIA NAVAL BASE OKSYWIE	PO 5432N 01833E	I
LAKE ISSYK KUL HYDRODYNAMICS EXP STA N	UR 4229N 07619E	II
NIKOLAYEV SHIPYARD NOSENKO 444	UR 4657N 03159E	I

25X2

25X2



Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

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NPIC/R-786/64

25X1A

SAMODED, SUSPECT COMMUNICATIONS FACILITY  
DUSHAMBE SUSPECT ELECTRONIC TRACKING FAC  
TALSI, SUSPECT SATELLITE TRACKING STN

UR 6336N 04028E II  
UR 3832N 06847E I  
UR 5717N 02235E I

LOP NOR AREA, SUPPORT BASE

CH 4035N 08901E I

25X2

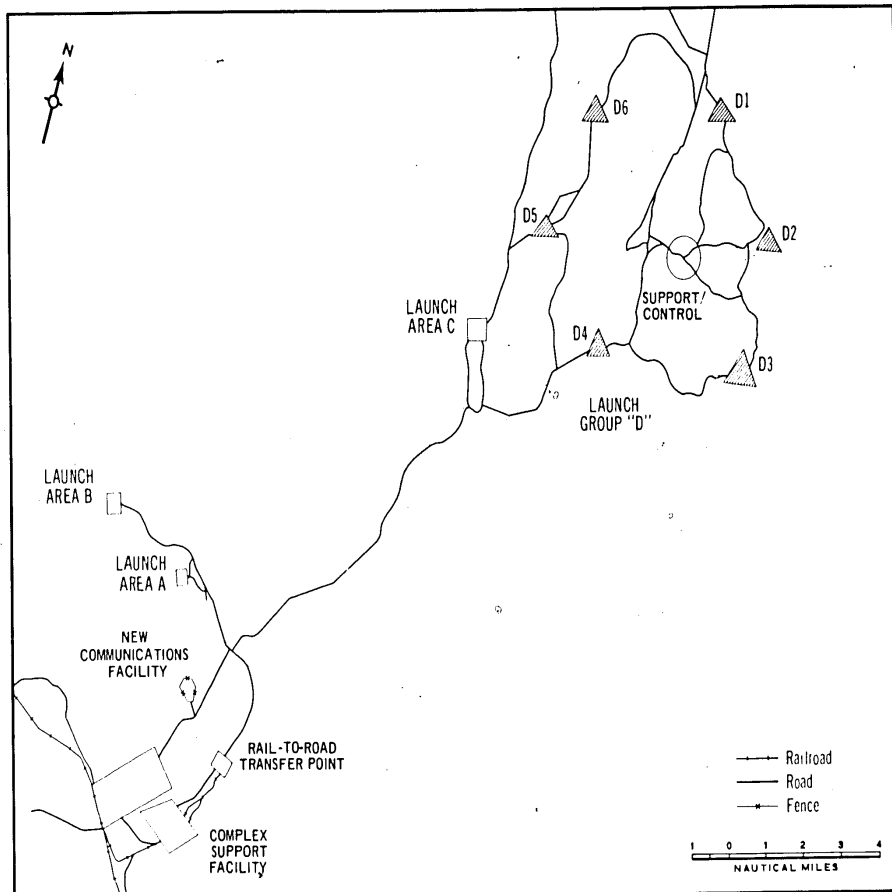
25X2

Handle Via  
TALENT-KEYHOLE  
Control System Only

## **Attachments**

TOP SECRET CHESS RUFF

Handle V/a  
Talent Keyhole  
Control System Only



OLOVYANNAYA ICBM COMPLEX, USSR

Handle V/a  
Talent Keyhole  
Control System Only

TOP SECRET CHESS RUFF  
MISSION 1009-1, 6-9 AUGUST 1964

TCS-7801/64  
NPIC/R-786/64  
ATTACHMENT 1

Handle Via  
TALENT-KEYHOLE  
Control System Only

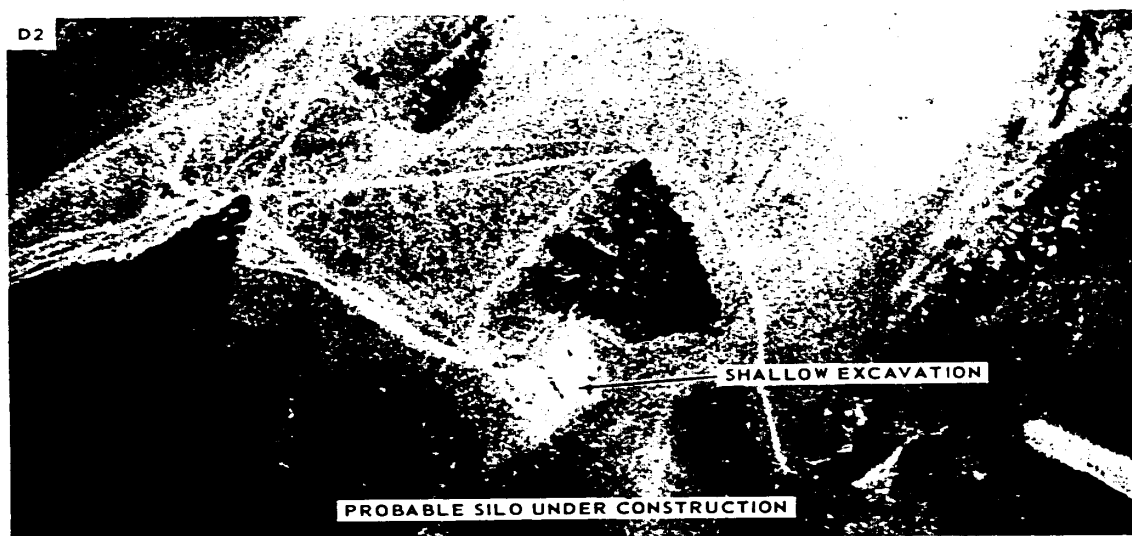
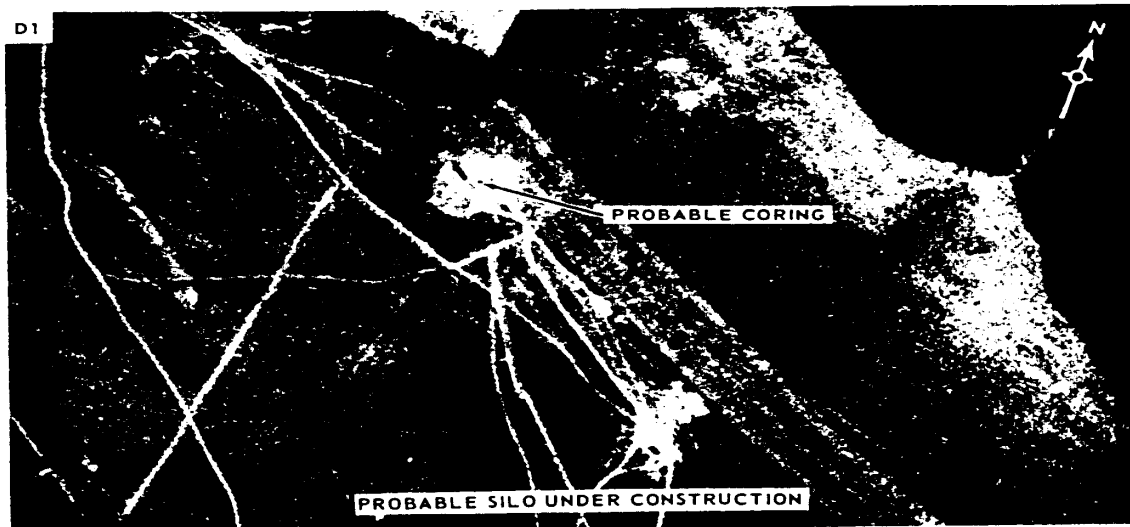
# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

TCS-7801/64

NPIC/R-786/64

ATTACHMENT 2



NPIC J-3546 (8/64)

LAUNCH GROUP D, OLOVYANNAYA ICBM COMPLEX, USSR

# TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

Handle Via  
Talent-Keyhole  
Control System Only

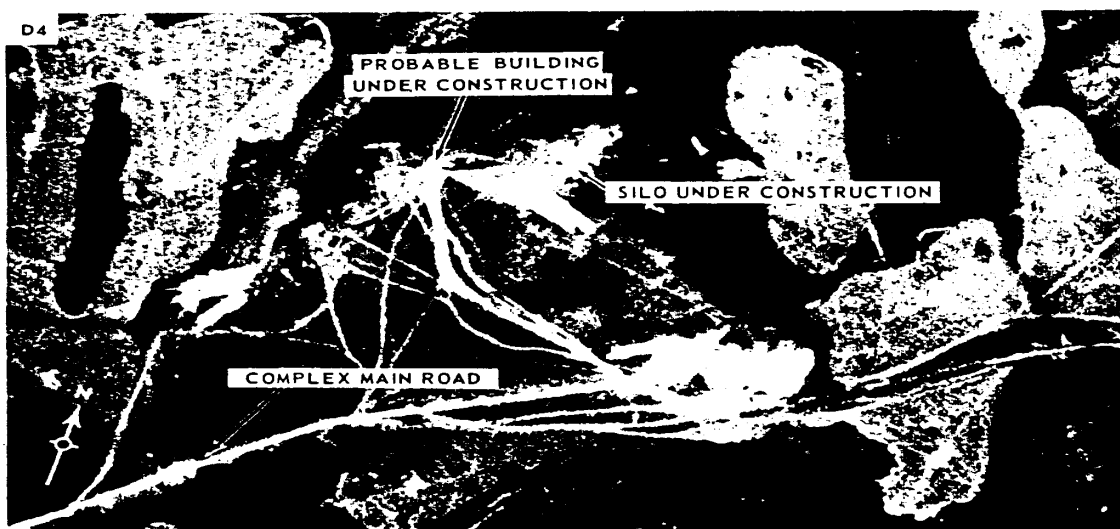
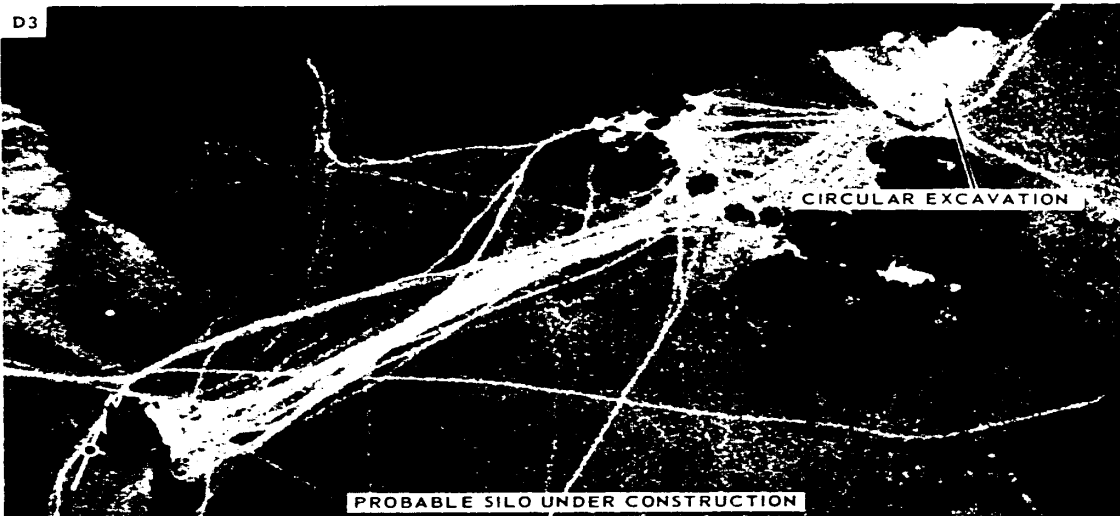
# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

TCS-7801/64

NPIC/R-786/64

ATTACHMENT 3



NPIC J-3545 (8/64)

LAUNCH GROUP D, OLOVYANNAYA ICBM COMPLEX, USSR

TOP SECRET CHESS RUFF

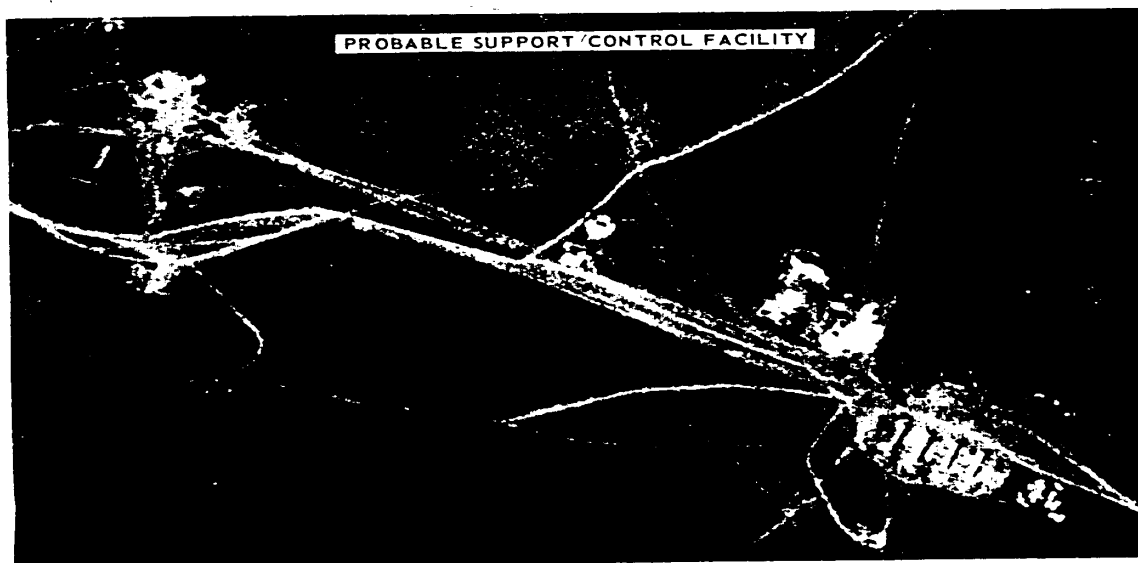
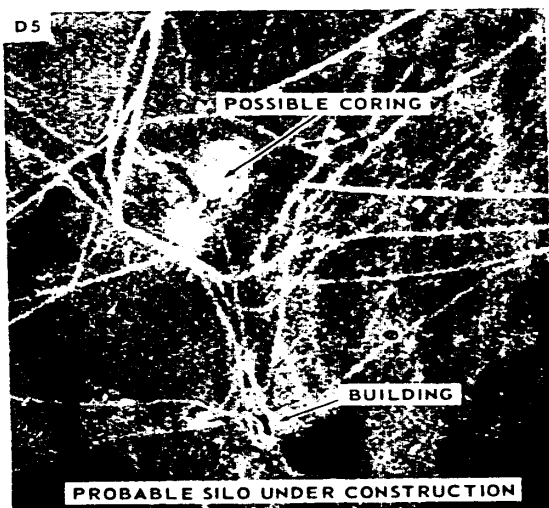
Handle Via  
Talent-Keyhole  
Control System Only

Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

TCS-7801/64  
NPIC/R-786/64  
ATTACHMENT 4



LAUNCH GROUP D, OLOVYANNAYA ICBM COMPLEX, USSR

NPIC J-3547 (8/64)

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

Handle Via  
TALENT-KEYHOLE  
Control System Only

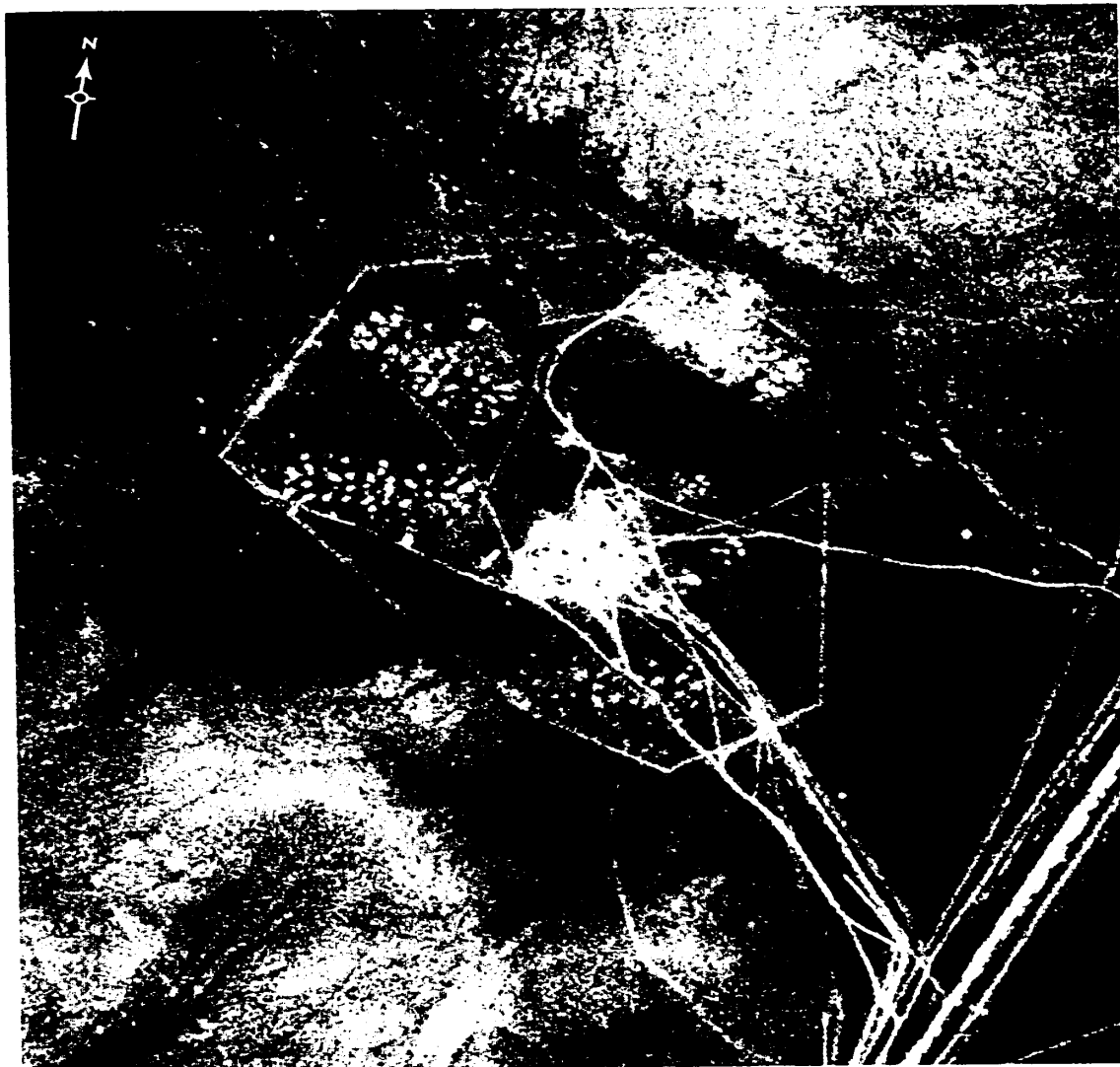
# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

TCS-7801/64

NPIC/R-786/64

ATTACHMENT 5



NPIC J-3816 (8/64)

NEW COMMUNICATIONS FACILITY, OLOVYANNAYA ICBM COMPLEX, USSR

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

Handle Via  
TALENT KEYHOLE  
Control System Only

TOP SECRET CHESS RUFF  
MISSION 1009-1, 6-9 AUGUST 1964

TCS-7801/64  
NPIC/R-786/64  
ATTACHMENT 6



NPIC J-3515 (8/64)

SEVERODVINSK NAVAL BASE AND SHIPYARD 402, USSR

TOP SECRET CHESS RUFF

Handle Via  
TALENT KEYHOLE  
Control System Only



Handle Via  
Talent-Keyhole  
Control System Only

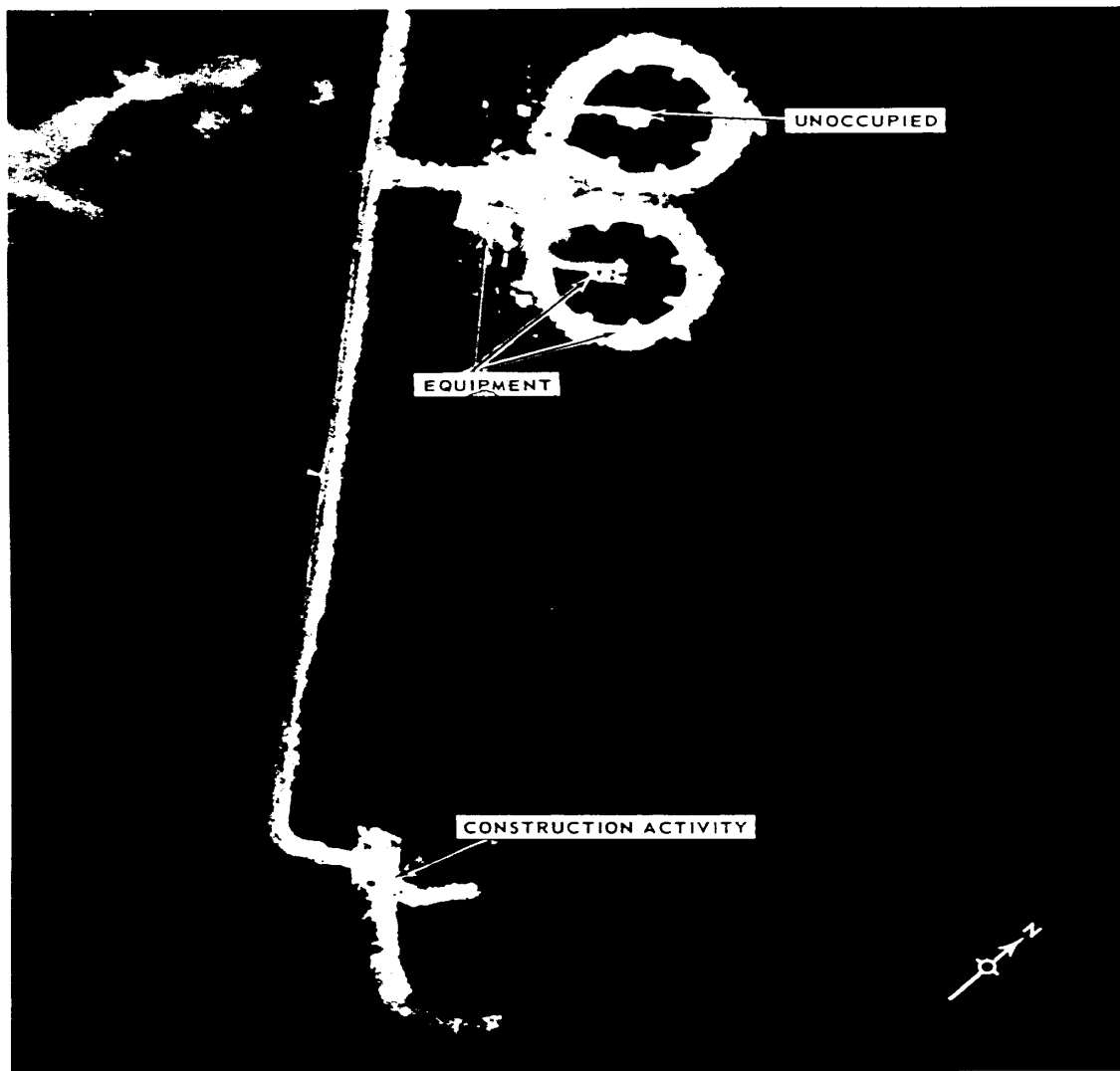
# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

TCS-7801/64

NPIC/R-786/64

ATTACHMENT 7



SAM ACTIVITY, ANTIPINSKOYE, USSR

NPIC J-3518 (8/64)

TOP SECRET CHESS RUFF

Handle Via  
Talent-Keyhole  
Control System Only

Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

TCS 8801/64  
NPIC/R-786/64  
ATTACHMENT B



THERMAL POWER PLANT, VERKHNIY TAGIL, USSR

NPIC J-3548 (8/64)

TOP SECRET CHESS RUFF

Handle Via  
TALENT-KEYHOLE  
Control System Only

25X2

MISSION 1009-1  
TALENT KEYHOLE  
Central Soviet City

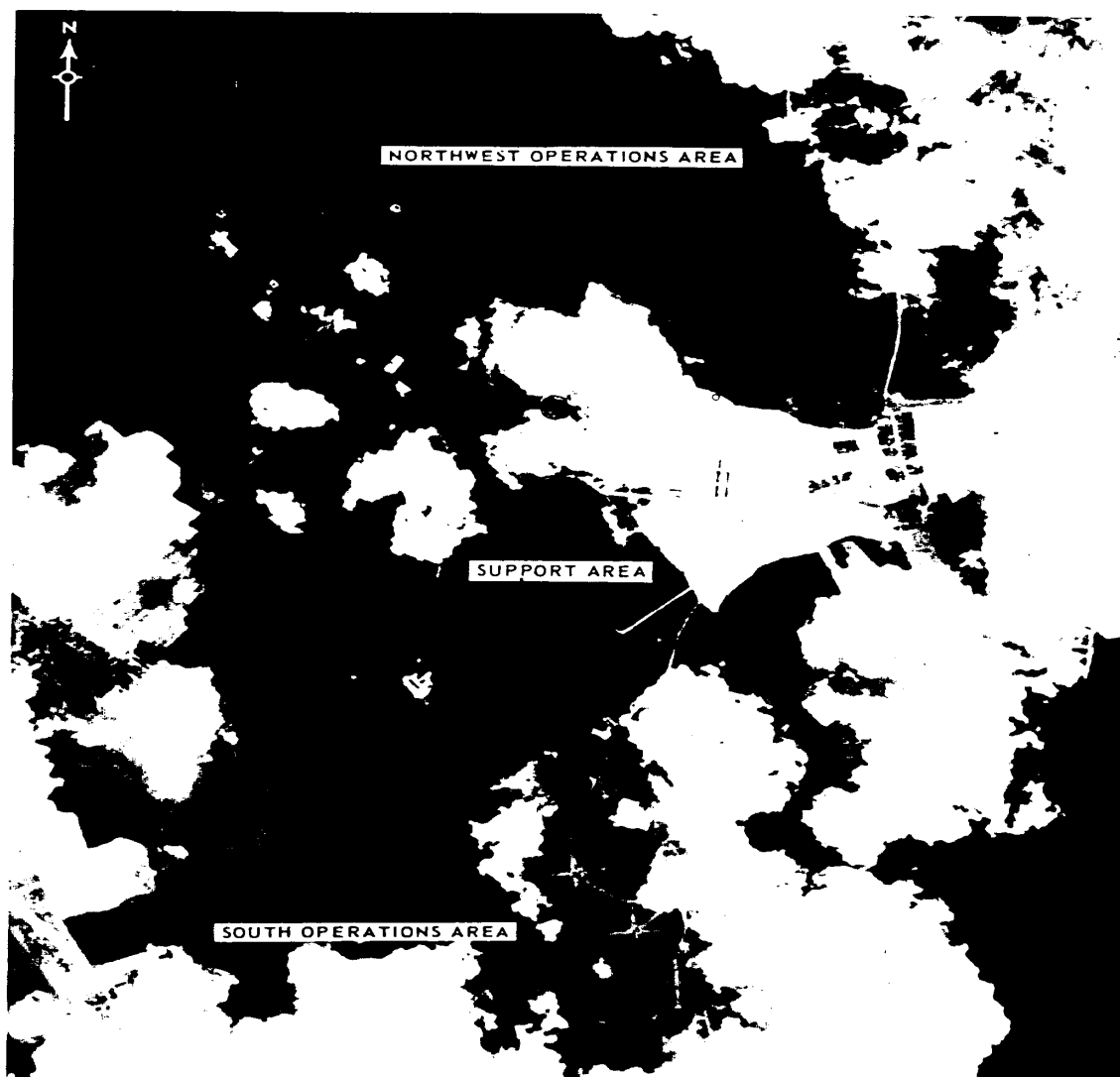
# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

TCS-7801/64

NPIC/R-786/64

ATTACHMENT 10



SUSPECT SPACE TRACKING FACILITY, KIRZHACH AREA, USSR

NPIC J-3517 (R/64)

TOP SECRET CHESS RUFF

MISSION 1009-1  
TALENT KEYHOLE  
Central Soviet City

Handle Via  
TALENT-KEYHOLE  
Control System Only

# TOP SECRET CHESS RUFF

MISSION 1009-1, 6-9 AUGUST 1964

TCS-7801/64  
NPIC/R-786/64

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